

Title (en)

SYSTEM AND METHOD FOR DETERMINING AUDIO CHARACTERISTICS FROM WITHIN A BODY

Title (de)

SYSTEM UND VERFAHREN ZUR BESTIMMUNG DER TONEIGENSCHAFTEN AUS EINEM KÖRPER

Title (fr)

SYSTÈME ET PROCÉDÉ DE DÉTERMINATION DE CARACTÉRISTIQUES AUDIO PROVENANT D'UN CORPS

Publication

EP 3304046 A4 20180711 (EN)

Application

EP 16802686 A 20160530

Priority

- IL 23911315 A 20150601
- IL 2016050559 W 20160530

Abstract (en)

[origin: WO2016193970A1] A system for simultaneously detecting audio-characteristics within a body over multiple body surface locations comprising a coherent light: source directing at least one coherent light beam toward the body surface locations, an imager acquiring a plurality of defocused images, each is of reflections of the coherent light beam torn the body surface locations. Each image includes at least one speckle pattern, each corresponding to a respective coherent Sight beam and further associated with a time-fag. A processor, coupled with the imager, determines in-image displacements over time of each of a plurality of regional speckle patterns according to said acquired images. Each one of the regional speckle patterns is at least a portion of a respective speckle pattern. Each regional speckle pattern is associated with a respective different body surface location. The processor determines the audio-characteristics according to the in-image displacements over time of the regional speckle patterns.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

- [XYI] WO 2008045274 A2 20080417 - DELAWARE STATE UNIVERSITY FOUN [US], et al
- [XY] US 2008056724 A1 20080306 - BAKISH TAL [IL]
- [X] JP 2005283160 A 20051013 - TOSHIBA CORP
- [X] CN 103730127 A 20140416 - UNIV XIAMEN
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Designated contracting state (EPC)

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Designated extension state (EPC)

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IL 2016050559 W 20160530; EP 16802686 A 20160530; IL 23911315 A 20150601; IL 25602717 A 20171130; US 201615578618 A 20160530; US 201916443665 A 20190617